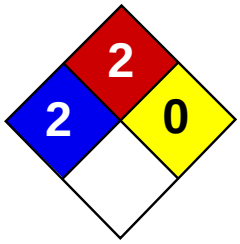

Health	2
Fire	1
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Hexachlorophene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Hexachlorophene

Catalog Codes: SLH1921

CAS#: 70-30-4

RTECS: SM0700000

TSCA: TSCA 8(b) inventory: Hexachlorophene

CI#: Not available.

Synonym: Acigena, Almederm, Cotofilm, Dermadex, Distodin, Exofene, Fostril, Gamophen, Gamophene, Hexabalm, Nabac, pHisoHex, Ritosept, Septisol, Septofen, Steral, Steraskin, Surgi-Cen, Surofene, Teraspetic; Hexachlorophen; 2,2'-Methylenebis (3,4,6-trichlorophenol); Bis(2-hydroxy-3,5,6-trichlorophenyl)methane; Bis(3,5,6-Trichloro-2-hydroxyphenyl)methane

Chemical Name: Phenol, 2,2'-methylenebis(3,4,6-trichloro-

Chemical Formula: C13-H6-Cl6-O2

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Hexachlorophene	70-30-4	100

Toxicological Data on Ingredients: Hexachlorophene: ORAL (LD50): Acute: 56 mg/kg [Rat]. 67 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (permeator), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant). Severe over-exposure can result in death.

Potential Chronic Health Effects:
Slightly hazardous in case of skin contact (sensitizer). CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to the nervous system, liver, eyes, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO2), halogenated compounds.

Fire Hazards in Presence of Various Substances:
Slightly flammable to flammable in presence of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Slightly explosive in presence of open flames and sparks. Non-explosive in presence of shocks.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards:
As with most organic solids, fire is possible at elevated temperatures. When heated to decomposition it emits toxic fumes of chlorides

Special Remarks on Explosion Hazards:
Fine dust dispersed in air in sufficient concentrations, and in the presences of an ignition source is a potential dust explosion hazard.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Poisonous solid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Crystalline solid.)

Odor: Odorless or slight Phenolic odor

Taste: Tasteless.

Molecular Weight: 406.91 g/mole

Color: White. Light tan.

pH (1% soln/water): Not applicable.

Boiling Point: Not available.

Melting Point: 164°C (327.2°F) - 165 C

Critical Temperature: Not available.

Specific Gravity: Not available.

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 7.5

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether, acetone.

Solubility:
Soluble in diethyl ether, acetone. Insoluble in cold water, hot water. Soluble in Chloroform, polyethylene glycols, propylene glycol, olive oil, cottonseed oil, dilute aqueous alkaline solutions.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, dust generation, incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 56 mg/kg [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. May cause damage to the following organs: the nervous system, liver, eyes, central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of skin contact (permeator), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

Special Remarks on Toxicity to Animals:
Lowest Published Lethal Dose: LDL [Child] - Route: Oral; Dose: 250 mg/kg

Special Remarks on Chronic Effects on Humans:
Animal: passes through placental barrier, excreted in maternal milk. May cause adverse reproductive effects and birth defects (teratogenic) May cause cancer based on animal test data

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation. It can be absorbed by the skin causing systemic toxicity. Eyes: Causes eye irritation and possible permanent eye damage. Inhalation: It can cause respiratory tract (nose and throat) irritation with coughing and wheezing. Ingestion: It can cause gastrointestinal tract irritation with nausea, vomiting, abdominal cramps, hypermotility, and diarrhea. It can affect behavior/central nervous system/nervous system (neurotoxicity - convulsions, lethargy, irritability, twitching, somnolence, headache, dizziness, weakness, mood changes, coma, flaccid paralysis without anesthesia), respiration (respiratory depression, chronic pulmonary edema, apnea, cyanosis), blood (changes in clotting factors), liver (fatty liver degeneration), urinary system, metabolism (loss of appetite/anorexia), cardiovascular system (hypotension, bradycardia). Chronic Potential Health Effects: Ingestion: Prolonged or repeated ingestion may affect the brain and spinal cord (brain and/or spinal cord damage), liver (liver damage), metabolism (weight loss), behavior/central nervous system/nervous system (neurotoxicity symptoms similar to acute ingestion), eyes (pupil dilation, blindness, optic atrophy) Skin: Prolonged or repeated skin contact may cause dermatitis. Inhalation: Prolonged or repeated inhalation can cause asthma attacks with shortness of breath, wheezing, cough, and/or chest tightness.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Hexachlorophene UNNA: 2875 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Hexachlorophene Illinois chemical safety act: Hexachlorophene New York release reporting list: Hexachlorophene Pennsylvania RTK: Hexachlorophene Massachusetts RTK: Hexachlorophene Massachusetts spill list: Hexachlorophene New Jersey: Hexachlorophene New Jersey spill list: Hexachlorophene Louisiana spill reporting: Hexachlorophene California Director's List of Hazardous Substances: Hexachlorophene TSCA 8(b) inventory: Hexachlorophene TSCA 4(a) proposed test rules: Hexachlorophene TSCA 5(a)2 proposed significant rules: Hexachlorophene TSCA 12(b) annual export notification: Hexachlorophene SARA 313 toxic chemical notification and release reporting: Hexachlorophene CERCLA: Hazardous substances.: Hexachlorophene: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Classification not available

DSCL (EEC):

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 2

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/09/2005 05:42 PM

Last Updated: 06/09/2012 12:00 PM

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall ScienceLab.com be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ScienceLab.com has been advised of the possibility of such damages.